

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

05/31/2011

Abigail Holland  
Assistant District Attorney, Suffolk County

Dear ADA Holland,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]  
Included are copies of the following:

1. Curriculum Vitae for Michael Lawler & Della Saunders.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Michael Lawler was the custodial chemist and performed the preliminary testing and net weight for this sample. Della Saunders was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan  
Chemist II  
Drug Analysis Lab  
Jamaica Plain, MA. 02130  
(617) 983-6631

## Curriculum Vitae

Michael Lawler

### Education:

University of Virginia, Charlottesville, Va. Bachelor of Arts in English, 1975

Harvard University, Cambridge, Ma. Master of Arts in biology, 1995

### Experience:

1990-present currently Chemist III, Mass. Dept. of Public Health, Drug Lab analyst determining the identity of unknown substances and providing expert testimony in the Courts. Conduct special testing for poisons within drug exhibits.

2005-present lecturer in chemistry, Curry College, Milton, Ma.

1988-1990 New England Newborn Screening (NENS) Biochemist conducting pilot studies and validation trials of new newborn screening tests. Investigator and co-author of papers noted below. Introduced screening test for Biotinidase Deficiency. Liaison with interstate collaborators in national studies.

1983-1988 Supervised NENS urine screening lab for metabolic disorders. Conducted research in collaboration with Children's Hospital (Boston) detecting neuroblastoma, a cancer of early childhood. Conducted reference testing for rare metabolic disorders for an international audience.

1982-1983 NENS hypothyroid assay technologist with Tuft's University

1979-1981 Mass. Bay Community College, staff technologist preparing materials for the laboratory technician program, which included reagents, apparatus and maintaining stock cultures of human pathogens.

### Additional education and special training

Drug Analysis, completed six week training course by senior staff within the Department of Public Health Drug Analysis Laboratory

National Laboratory Network Training Program course as Expert Witness

Qualified as an expert witness in the Massachusetts Courts and the U.S. District Court  
CDC course in cell culture

CDC course in antibiotic resistance

CDC course in public health response to bioterrorism

U.S. Army course in biologic warfare and terrorism

### Journal Publications

Screening, 1992, 1:34-37; Lawler,M., Frederick,S., Rodriguez-Anza, S., Wolf,B., Levy,H., *Newborn Screening for Biotinidase Deficiency, Pilot Study and Follow-up of Identified Cases*

Genetic Screening, 1990, 11-18, Mitchell,M., Lawler,M., Walraven,C., Hermos,R., *To Screen or Not to Screen for Congenital Hyperplasia: Is that the Question?*

The Journal of Pediatrics, 116: 78-83, Secor-McVoy,J., Lawler,M., Schmidt, M., Ebers,D., Hart,P., Pettit,D., Blitzer,M., Wolf,B., *Partial Biotinidase Deficiency: Clinical and Biochemical Features*

### Professional Affiliations

Northeastern Association of Forensic Scientists (NEAFS) since 2005

### Awards

Theobald Smith Education Grant for graduate studies

## Curriculum Vitae

Della Saunders

**Education:**

Boston University Boston, MA. Bachelors of Arts in Chemistry 1982

**Experience:**

**1985-present:** Currently Chemist III Massachusetts Department of Public Health Drug Analysis Laboratory at State Laboratory Institute Boston, MA. Responsible for analyzing unknown substances submitted by Massachusetts law enforcement agencies; operating, maintaining, and interpreting data from analytical equipment (analytical balance, microscope, gas chromatogram, ultraviolet spectrometer, infrared spectrometer, gas chromatogram/mass spectrometer); training junior level chemists; providing expert testimony to local, state, and federal courts in the Commonwealth of Massachusetts.

**1984-1985:** Laboratory Technician in the Media Laboratory at State Laboratory Institute Boston, MA. Responsible for making chemical reagents and media plates; operating and maintaining laboratory equipment (autoclave, pH meter, ultra-violet hood), and collecting safety data for laboratory protocols.

**Training:**

**1985:** Six week training with Senior Staff at Massachusetts Department of Public Health (MDPH) Drug Analysis Laboratory Boston, MA. Appointed Assistant Analyst MDPH

**1987:** One week training course in drug analysis given by the Federal Drug Enforcement Agency (DEA) McLean, V.A.

**1992:** Training in Gas Chromatograph/Mass Spectroscopy (GC/MS) Hewlett Packard (Agilent)

**1996:** Training in Fourier Transform Infra-Red Spectroscopy ETA (Analect)

**2001:** Expert Witness Workshop National Laboratory Training network Quality Assurance/Quality Control Training (MDPH)

**2002:** Techniques of Supervision Training (MDPH)

**1999:** Notary Public Commonwealth of Massachusetts



**DRUG RECEIPT**

CC # \_\_\_\_\_  
BOOK # 65  
PAGE # 16  
DESTRUCTION # \_\_\_\_\_

District/Unit D-4 DCU

Name & Rank of Arresting Officer Sgt. Det. Donald Keenan ID# 10652

**To be completed by ECU personnel only**

Name and Rank of Submitting Officer 100-200-L-Subpoena ID# 107

Received by 910 Date 6-9-10

Date 6-9-78

ECU Control # \_\_\_\_\_

No. [REDACTED]

Date Analyzed: JUN 26 2010

City: Boston D.C.U. Police Dept.

Officer: P.O. MILA DEPINA

Def: [REDACTED]

Amount: [REDACTED]

No. Cont: 1 Cont: pb

Subst: LOOSE SUB

Date Rec'd: 06/09/2010

Gross Wt.: 3.90 ✓

No. Analyzed:

Net Weight: 0.04

# Tests: 9 NCL  
12/18

Prelim:

COCAINE Ø

Findings: COCAINE

# DRUG POWDER ANALYSIS FORM

6-26-10

SAMPLE #

AGENCY

Boston OIG

ANALYST

MK

No. of samples tested:

Evidence Wt.

3.90

## PHYSICAL DESCRIPTION:

Evidence bag w/ loose substance

Gross Wt ( ): 3.9251

Gross Wt ( ): \_\_\_\_\_

Pkg. Wt: \_\_\_\_\_

Net Wt: 0.0497

CHAINS 2334 6-18-10

20g = 20.0000g

10g = 10.0000g

5g = 4.9998g

1g = 0.9999g

## PRELIMINARY TESTS

### Spot Tests

	+	-
Cobalt	(+)	(+)
Thiocyanate	(+)	(+)
Marquis	(+)	(+)
Froehde's	(-)	(+)
Mecke's	(-)	(+)

### Microcrystalline Tests

Gold  
Chloride



TLTA (+) ← + + (-)

## OTHER TESTS

## PRELIMINARY TEST RESULTS

RESULTS \_\_\_\_\_

DATE \_\_\_\_\_

## GC/MS CONFIRMATORY TEST

RESULTS AlCl<sub>3</sub>

MS  
OPERATOR DCJ

DATE 6-26-10

Revised 7/2005

Folk\_OIG\_PRR\_049296

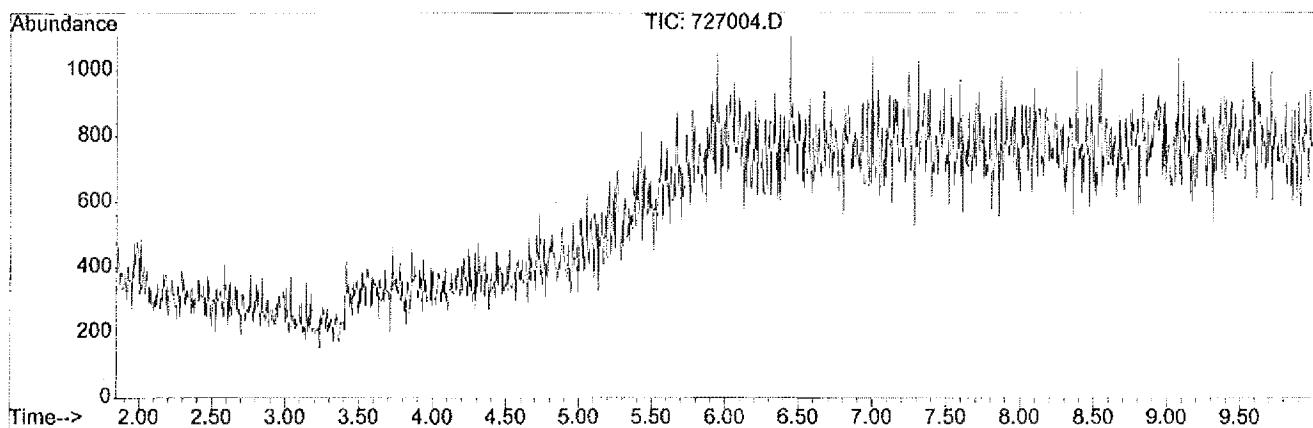
Area Percent / Library Search Report

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Operator : ASD  
Date Acquired : 23 Jun 2010 9:05  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

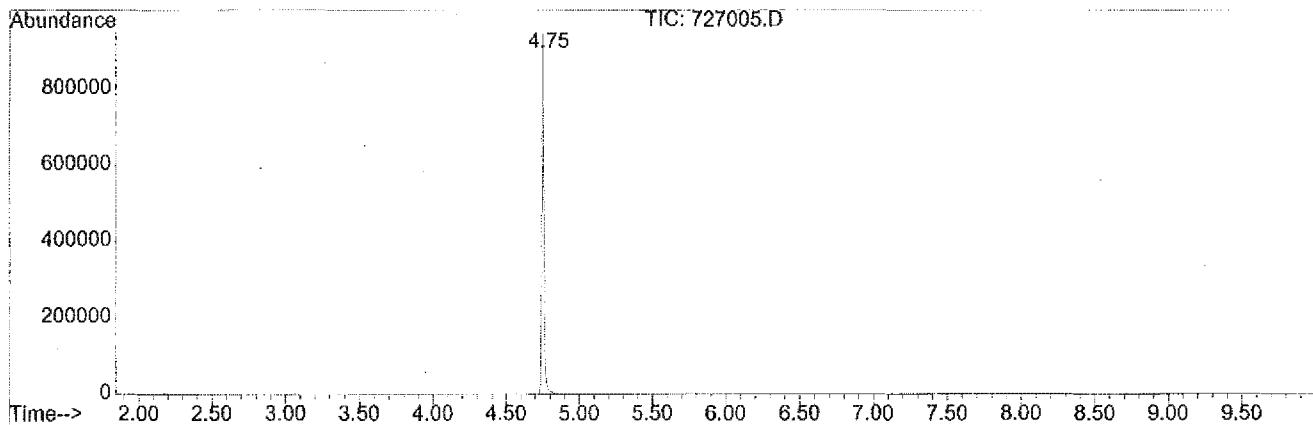
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Operator : ASD  
Date Acquired : 23 Jun 2010 9:18  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 5  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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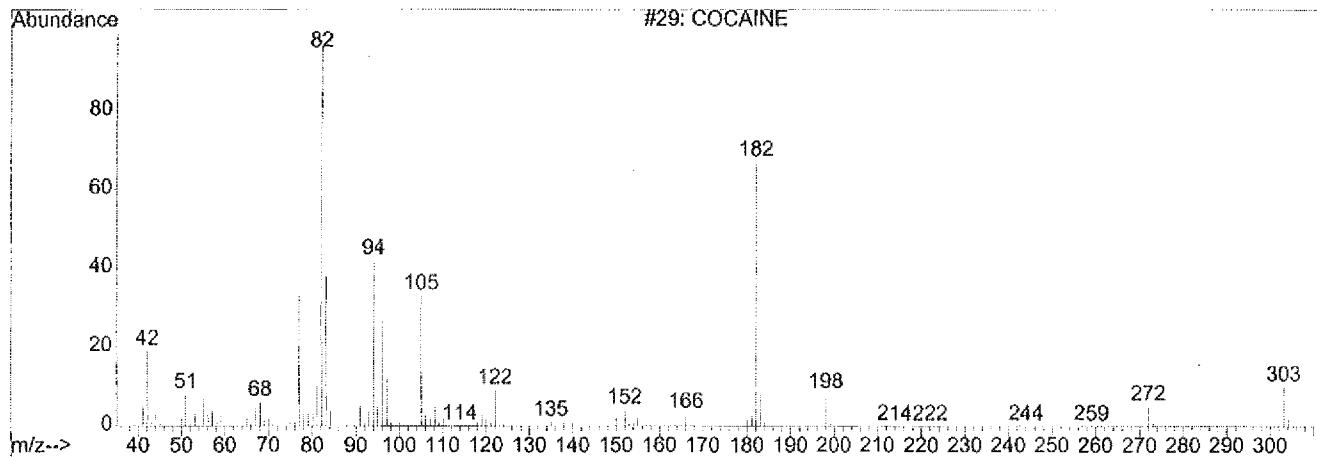
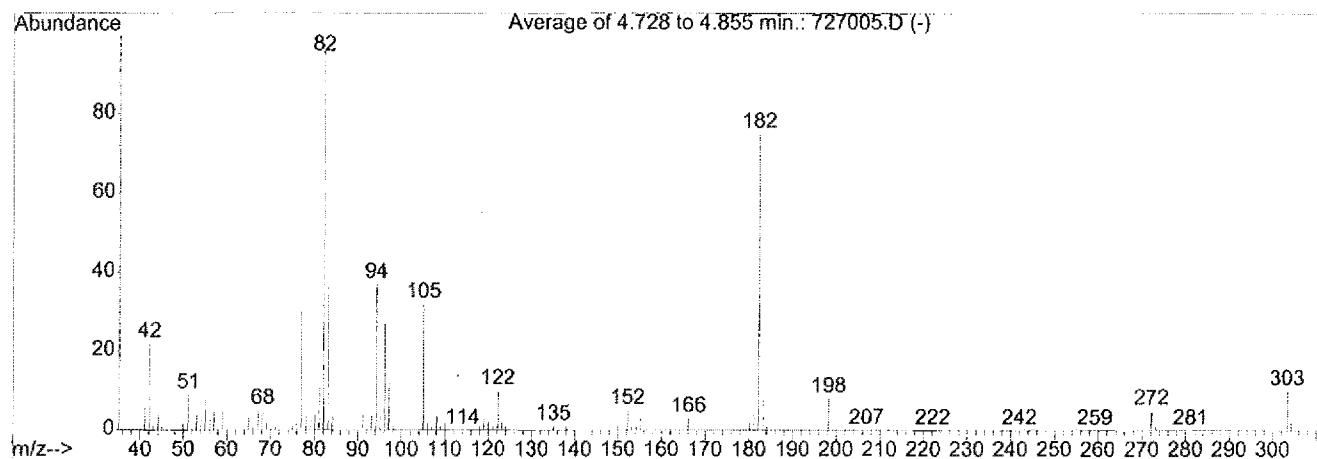
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Date Acquired : 23 Jun 2010 9:18  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 5  
AcquisitionMeth: DRUGS  
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	4.75	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



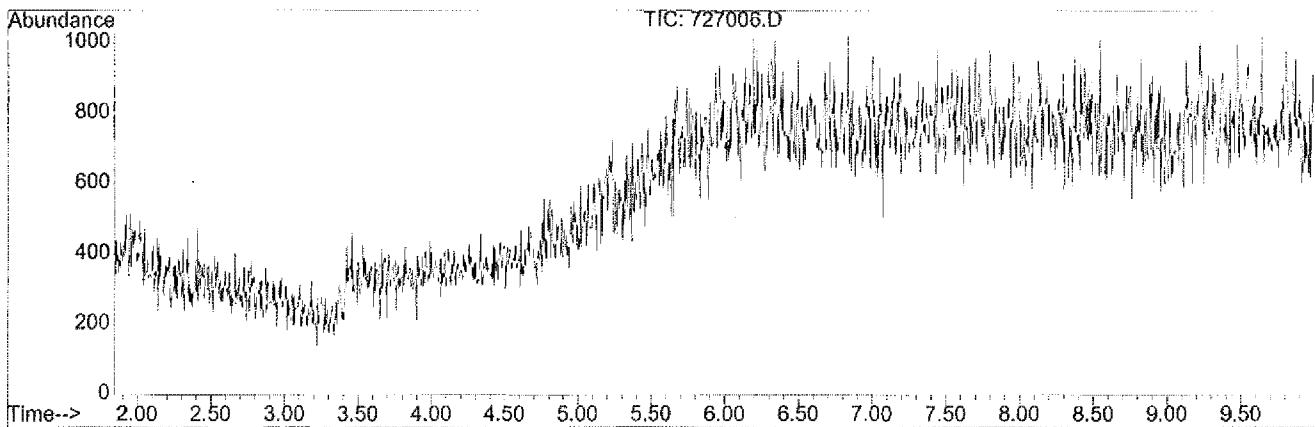
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Operator : ASD  
Date Acquired : 23 Jun 2010 9:30  
Sample Name : BLANK  
Submitted by : MGL  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

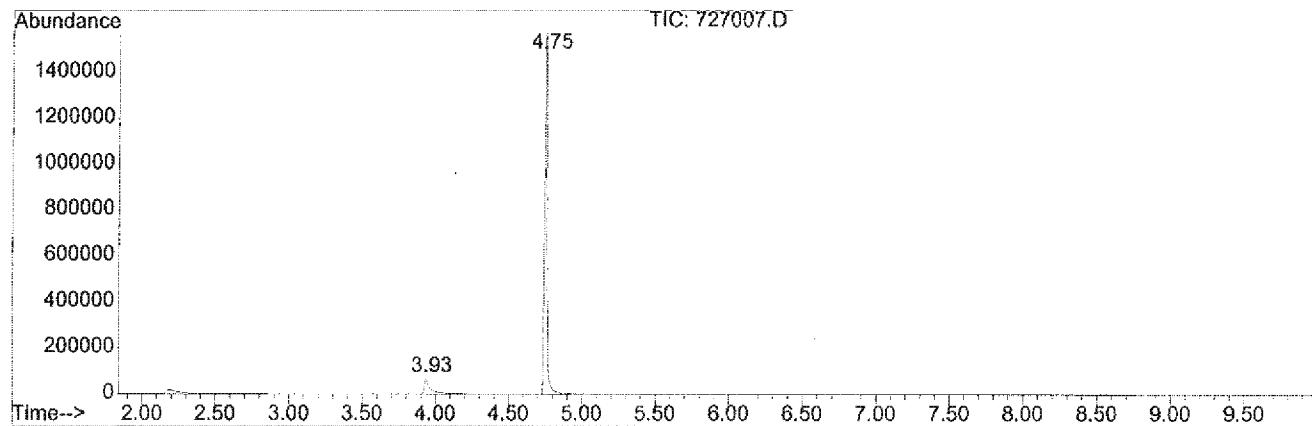
# Area Percent / Library Search Report

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Operator : ASD  
Date Acquired : 23 Jun 2010 9:43  
Sample Name : XXXXXXXXXX  
Submitted by : MGL  
Vial Number : 7  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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4.749	1821099	90.65	100.00

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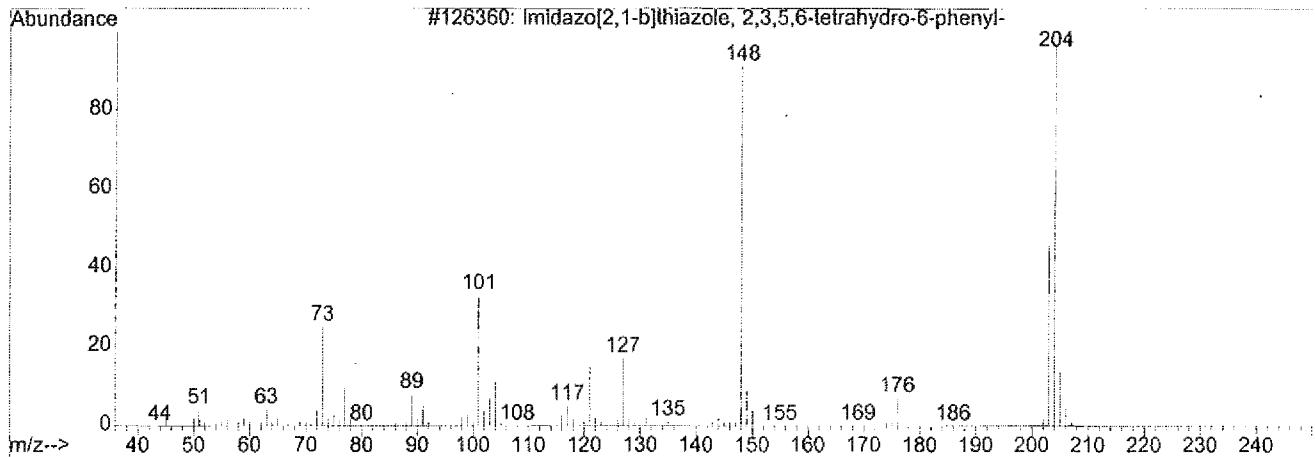
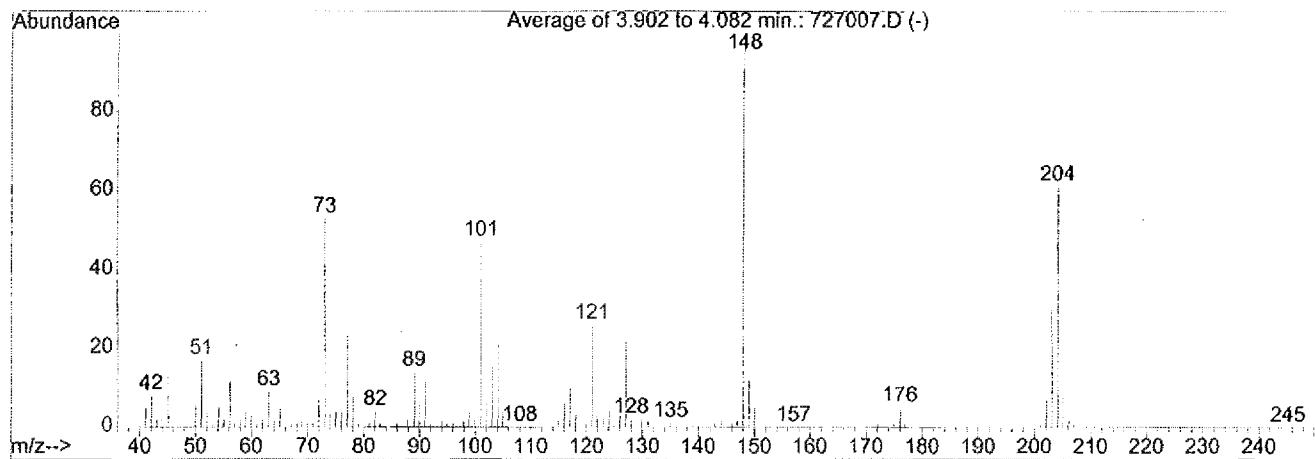
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Date Acquired : 23 Jun 2010 9:43  
Sample Name : XXXXXXXXXX  
Submitted by : MGL  
Vial Number : 7  
AcquisitionMeth: DRUGS  
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
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		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	96



# Area Percent / Library Search Report

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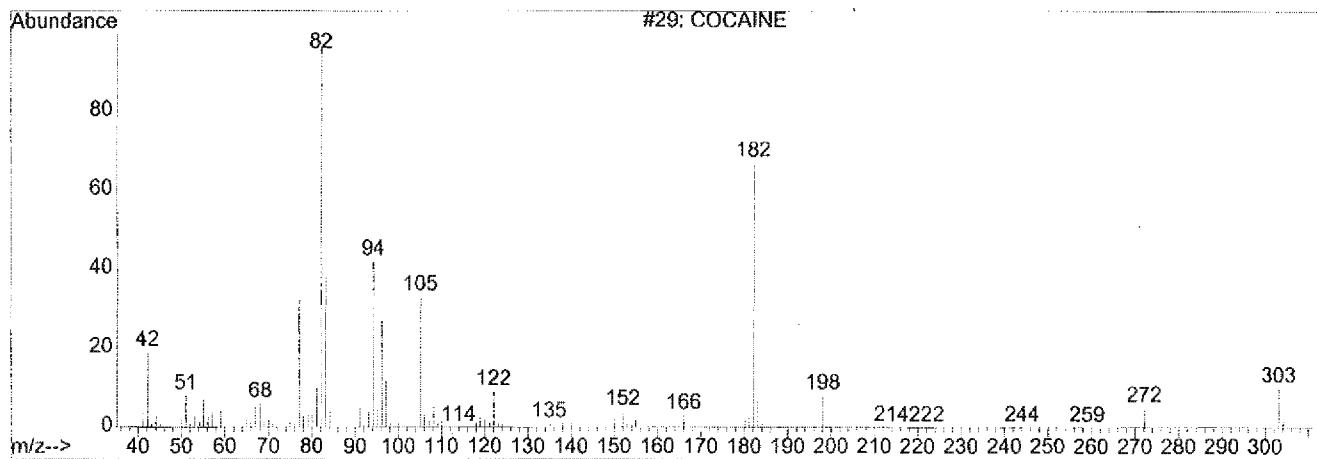
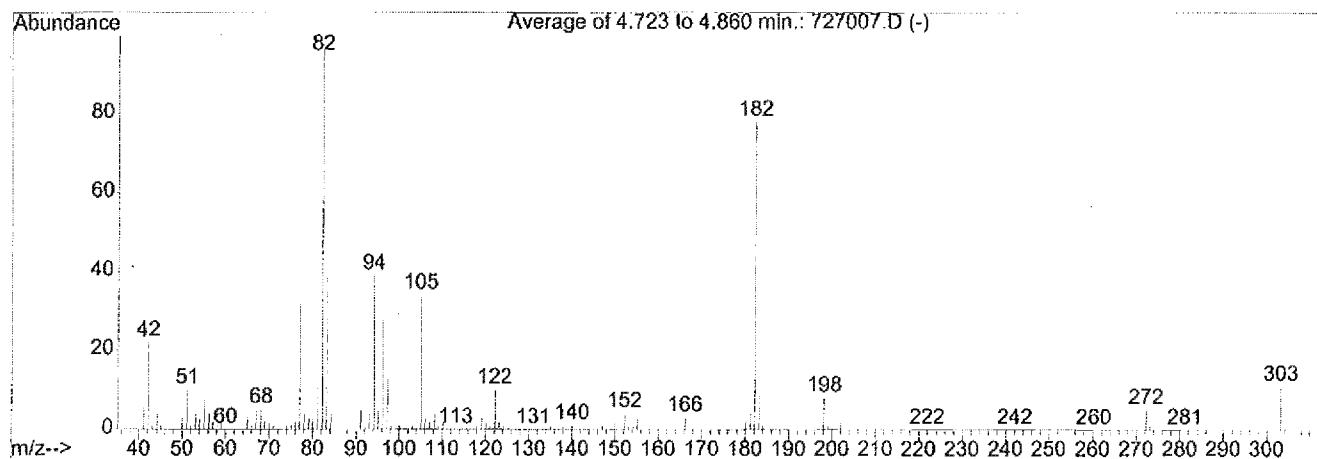
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Sample Name : XXXXXXXXXX  
Submitted by : MGL  
Vial Number : 7  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
2	4.75	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



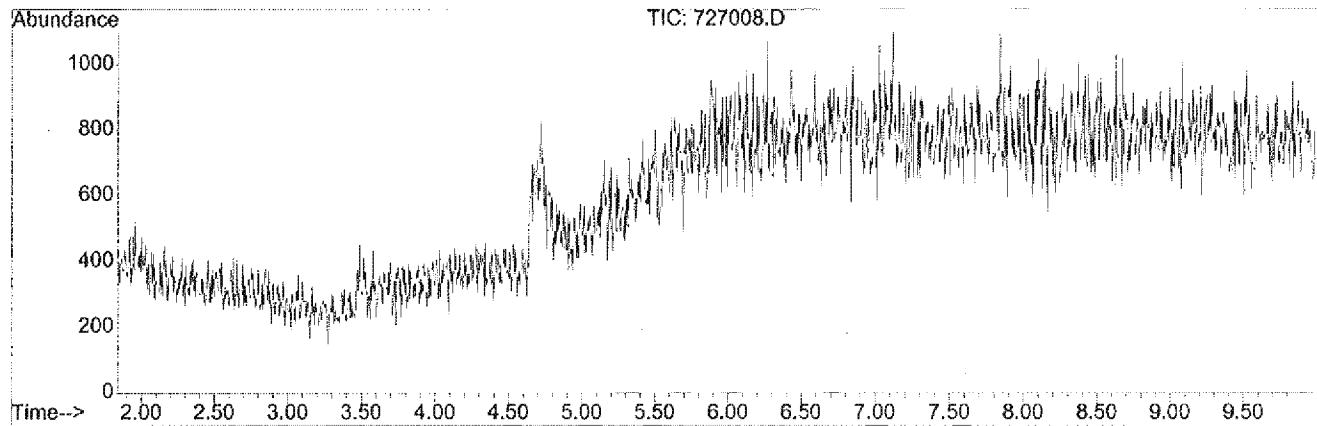
# Area Percent / Library Search Report

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Operator : ASD  
Date Acquired : 23 Jun 2010 9:55  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

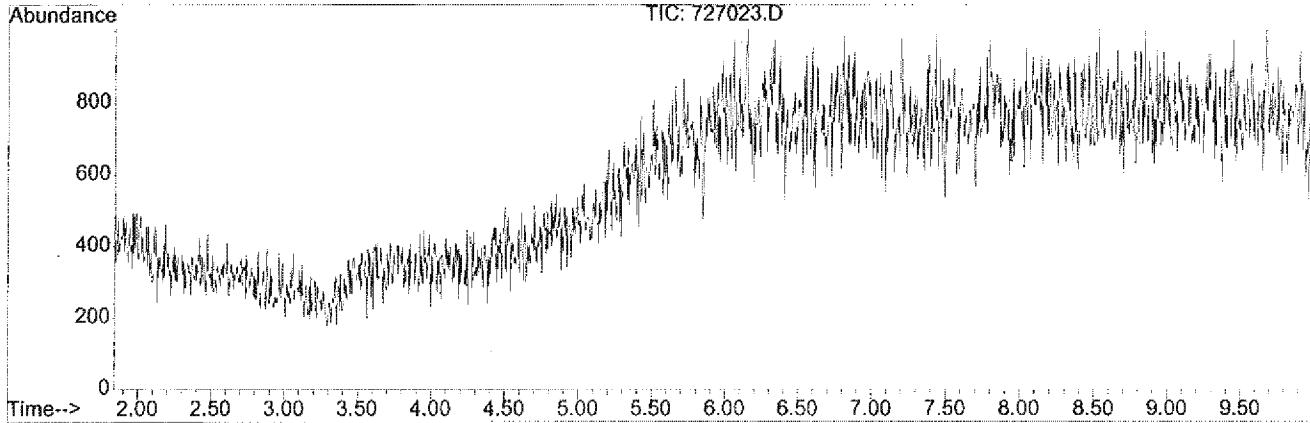
Area Percent / Library Search Report

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Operator : ASD  
Date Acquired : 23 Jun 2010 13:05  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

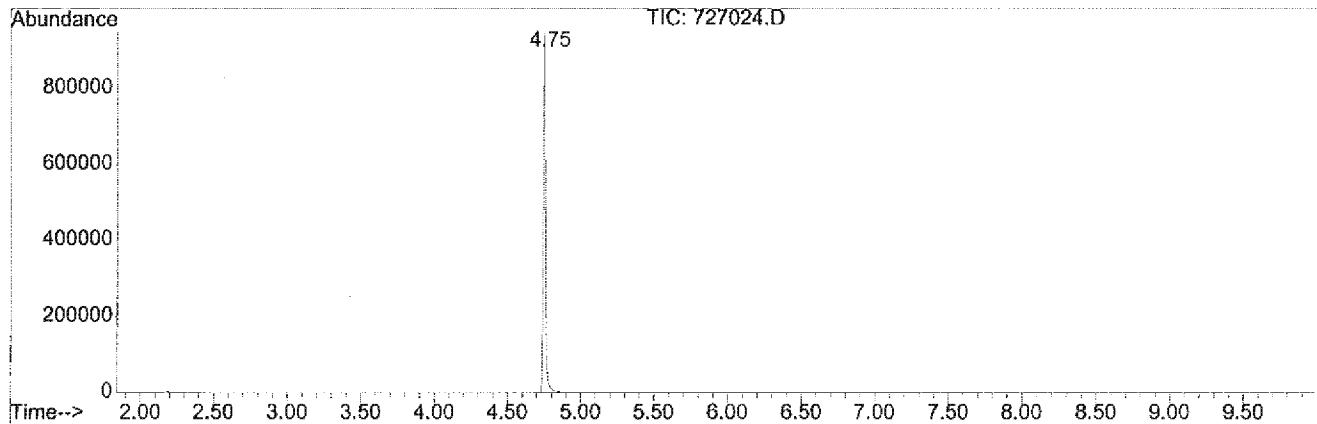
# Area Percent / Library Search Report

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Operator : ASD  
Date Acquired : 23 Jun 2010 13:17  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 24  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
4.749	958481	100.00	100.00

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# Area Percent / Library Search Report

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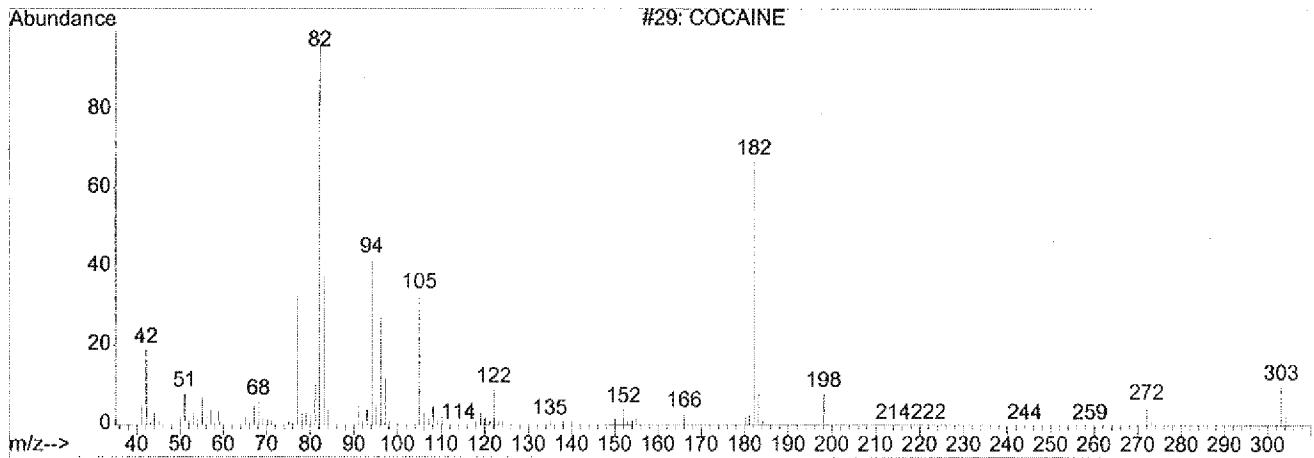
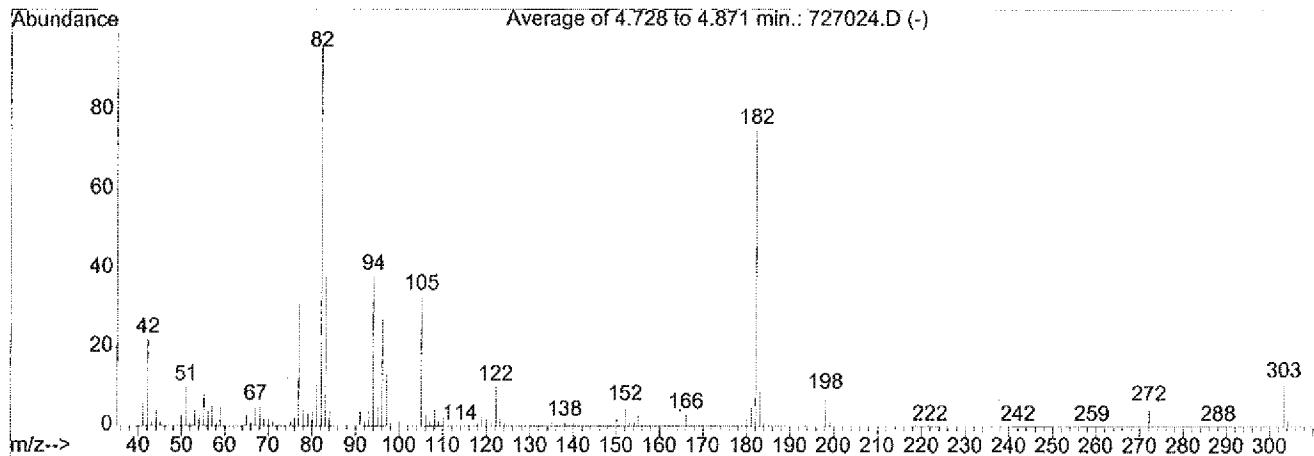
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Operator : ASD  
Date Acquired : 23 Jun 2010 13:17  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 24  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	4.75	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



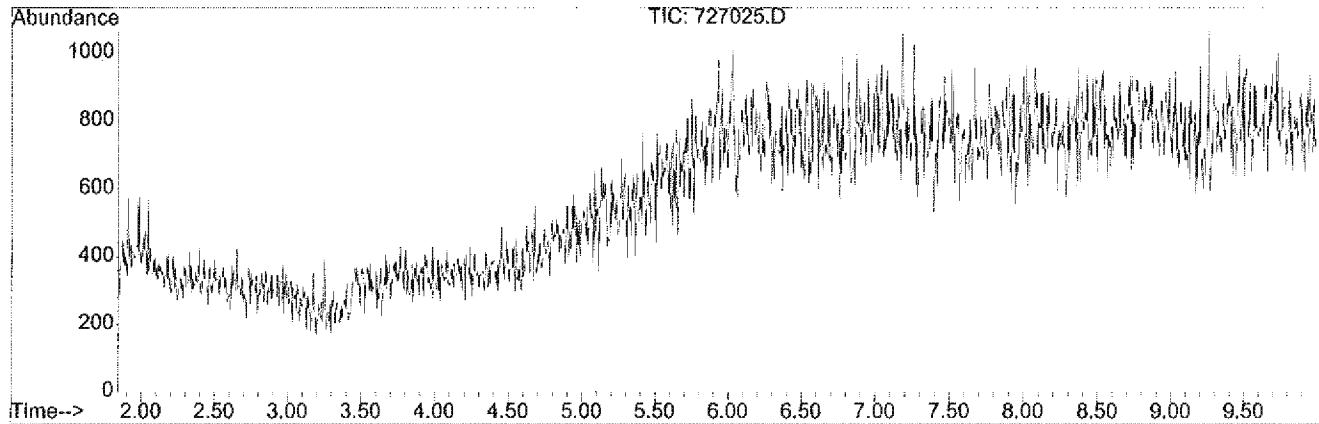
# Area Percent / Library Search Report

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Operator : ASD  
Date Acquired : 23 Jun 2010 13:30  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*